#### 505679019 09/18/2019

#### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
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MAHDAD MANSOUREE	06/17/2019
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#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16574943

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ATTORNEY DOCKET NUMBER: Q246809

> **PATENT** REEL: 050424 FRAME: 0880

505679019

NAME OF SUBMITTER:	TIANA R. STEWART-TEAMS	
SIGNATURE:	/Tiana R. Stewart/	
DATE SIGNED:	SIGNED: 09/18/2019	
This document serves as an Oath/Declaration (37 CFR 1.63).		

#### **Total Attachments: 3**

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PATENT REEL: 050424 FRAME: 0881

Docket No.: Q246809 SAIT Ref.: RE2018110031US0 Only After Sept 16, 2012

### ASSIGNMENT WITH DECLARATION FOR PATENT APPLICATION (37 CFR 1.63)

# 특허 출원 관련 양도 및 선언 (연방규칙집 제 37 조 1.63 항)

#### Korean Language Assignment with Declaration

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and
Whereas, SAMSUNG ELECTRONICS CO., LTD. of 129, Samsung-ro. Yeongtong-gu. Suwon-si. Gyeonggi-do. 16677, Bepublic of Korea and UNIVERSITY OF MASSACHUSETTS of One Buscon Street, 31st Floor, Boston, MA. 02108, United States, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;
Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,
I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 USC 119 and the right to suc for past damages, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.
(Legalization not required for recording but is prima facie evidence of execution under 35 USC 261)
As the below named inventor, I hereby declare that:
This assignment with declaration is directed to:
The attached application, or
United States Application or PCT International Application Number filed on
The application is entitled:
MULTILAYERED META LENS AND OPTICAL APPARATUS INCLUDING THE SAME

PATENT REEL: 050424 FRAME: 0882

#### Korean Language Assignment with Declaration

귀에 표시된 출원은 본인이 신청하였거나 또는 신청하도록 제가를 받았습니다.

본인은, 본인이 본 충원에서 청구된 발명의 원 발명자 또는 원 공동 발명자라고 믿습니다.

분인은 본 양도 및 선언서 계출과 관련된 출원의 내용을 검토하였으며 아울리 아헤합니다.

본인은 인방 규정 코드 제 37 장 제 1.55 형에 규정된 바에 따라, 특하성의 필단에 중요한 본인이 마는 모든 경보를 특히성에 공개할 의무가 있음을 알고 있습니다.

본 양도 몇 선언석 내에 의도적 허위 진술이 있을 경우 마합중국 코드 제 18 장의 I(X)1 항에 의거 발금이나 5 년 이하의 정역 또는 두 가기 처벌을 모두 받을 수 있음을 인정합니다. The above identified application was made or was authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.

I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

## STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 CFR 1.69(b):

The assignment with declaration is an accurate translation of the corresponding English language assignment with declaration.

may Aprophie

Signature

Date March 17, 2014

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**PATENT** 

REEL: 050424 FRAME: 0883

	***************************************
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